Project 2 for CS 341

Section number: 006

Semester: Spring 2023

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Do you want to enter a string?

Enter a string over Σ:

$$381.5886$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: 6 Popped: Pushed: Current State: q5

Symbol: $ Popped: $ Pushed: Current State: q8

Symbol: $ Popped: $ Pushed: Current State: q9

Accepted

Do you want to enter a string?

Enter a string over Σ:

$$.8+7.-8.00/90.765+$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: . Popped: Pushed: Current State: q4

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: 7 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: 0 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 7 Popped: Pushed: Current State: q5

Symbol: 6 Popped: Pushed: Current State: q5

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: $ Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$7956.+.492\*341.2/060.10/52581.263-.9+.53/7.$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 7 Popped: Pushed: Current State: q3

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: 5 Popped: Pushed: Current State: q3

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 4 Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: 0 Popped: Pushed: Current State: q3

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: 0 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 1 Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: 5 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 5 Popped: Pushed: Current State: q3

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 6 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: 7 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: $ Popped: $ Pushed: Current State: q8

Symbol: $ Popped: $ Pushed: Current State: q9

Accepted

Do you want to enter a string?

Enter a string over Σ:

$$382.89\*34$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: $ Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$4.239-.\*7.29$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: \* Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$6.88.6+32.208$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: . Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$(1.2+(3.4-.9)/39).3$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 4 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: ) Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$(.3)64$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: . Popped: Pushed: Current State: q4

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: 6 Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$((824.23+(9.22-00.0)\*21.2))+((.2/7.))$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: 0 Popped: Pushed: Current State: q3

Symbol: 0 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: \* Popped: Pushed: Current State: q7

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: + Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: 7 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: $ Popped: $ Pushed: Current State: q8

Symbol: $ Popped: $ Pushed: Current State: q9

Accepted

Do you want to enter a string?

Enter a string over Σ:

$$(())$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: ) Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$((14.252+(692.211\*(.39+492.1))/49.235)$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: 1 Popped: Pushed: Current State: q3

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 1 Popped: Pushed: Current State: q5

Symbol: 1 Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 1 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: $ Popped: $ Pushed: Current State: q8

Symbol: $ Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$+6.5$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: + Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$26.0\*(.87/((4.+.2)/(23.531)-2.9)+6.)/(((823.\*.333-57.\*8.0)/.33+.0))$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: 7 Popped: Pushed: Current State: q5

Symbol: / Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 5 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 1 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: - Popped: Pushed: Current State: q7

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: + Popped: Pushed: Current State: q7

Symbol: 6 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: 5 Popped: Pushed: Current State: q3

Symbol: 7 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: 8 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: 3 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: $ Popped: $ Pushed: Current State: q8

Symbol: $ Popped: $ Pushed: Current State: q9

Accepted

Do you want to enter a string?

Enter a string over Σ:

$$.0\*(32.922+.7-\*9.))$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: . Popped: Pushed: Current State: q4

Symbol: 0 Popped: Pushed: Current State: q5

Symbol: \* Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: 3 Popped: Pushed: Current State: q3

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: 9 Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: 2 Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 7 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: \* Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Enter a string over Σ:

$$(4.+(.8-9.))/2.)\*3.4+(5.21/34.2$$

q0

Symbol: $ Popped: Pushed: $ Current State: q1

Symbol: $ Popped: Pushed: $ Current State: q2

Symbol: ( Popped: Pushed: ( Current State: q2

Symbol: 4 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: + Popped: Pushed: Current State: q7

Symbol: ( Popped: Pushed: ( Current State: q7

Symbol: . Popped: Pushed: Current State: q4

Symbol: 8 Popped: Pushed: Current State: q5

Symbol: - Popped: Pushed: Current State: q7

Symbol: 9 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: / Popped: Pushed: Current State: q7

Symbol: 2 Popped: Pushed: Current State: q3

Symbol: . Popped: Pushed: Current State: q5

Symbol: ) Popped: ( Pushed: Current State: q6

Symbol: ) Popped: Pushed: Current State:

Rejected

Do you want to enter a string?

Terminated